

Data extraction from Alephino for migration to Alma

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Preliminary remarks

The present program packages for data extraction are based on experience from past migration projects, most of which concerned customers who were participants in Aleph-based consortia in Germany and Austria. These migration projects were subject to special conditions for the conversion of bibliographic data from the MAB standard to MARC21, the only standard that can be digested by Alma. I have tried to create routines that are generally usable, but am not sure that they fully meet the boundary conditions for importing into Alma. In particular, there's certainly much room for further refinement as far as the conversion of MAB data into MARC21 format is concerned. Since there has been no migration project based on the MARC version of Alephino so far, so there could be no template for the corresponding extraction package, I expect its output to be usable, but still in need of customization or refinement.

Alephino offers the possibilities for this by means of conversion routines controlled by tables and 2 integrated script languages.

What is initially completely excluded is the extraction of authority data like personal names, corporate names, subject headings etc. as separate MARC21-compliant files.

Process steps

1. Make sure that you have an Alephino Release 5.0 operable that runs under Linux and uses the same bibliographic standard as the customer's Alephino.
If the customer uses Alephino under Linux, all the better. This means that the extraction can be carried out directly at the customer's premises.
2. Otherwise, depending on which bibliographic standard the customer uses, first install an Alephino server:
 - a. MAB2 (Former standard in Germany and Austria)
[https://alephino.exl.de/packages/MAB_\[DE+AT\]/mab_linux_ia32.tgz](https://alephino.exl.de/packages/MAB_[DE+AT]/mab_linux_ia32.tgz)
 - b. MARC21
https://alephino.exl.de/packages/MARC21/marc_linux_ia32.tgz

The corresponding instructions on installation are available at the URLs [https://alephino.exl.de/packages/MAB_\[DE+AT\]/Installation.html](https://alephino.exl.de/packages/MAB_[DE+AT]/Installation.html) and <https://alephino.exl.de/packages/MARC21/Installation.html>.

A license sufficient for test operation and extraction is available at the URL <https://alephino.exl.de/res/alephino.lic>.

Replace the current database file by the one obtained from the customer. The file in question is located in subdirectory **pools**, the name of which in turn depends on the bibliographic standard used:

- a. MAB2 (Former standard in Germany and Austria)
DDBIBL
- b. MARC21
DDMARC

Note that additional databases may exist at the customer's site, as Alephino allows the operation of up to 24 separate databases in the same server environment.

3. Download the appropriate version of the extraction package, depending on which standard is used by the customer with Alephino:
 - a. MAB2 (Former standard in Germany and Austria)
<https://alephino.exl.de/packages/MAB2Alma.tar>
 - b. MARC21
<https://alephino.exl.de/packages/MARC2Alma.tar>
4. Unpack the extraction package into the directory of the Alephino server so that the contained directory with the name **migration** is added to the directories of the Alephino server.
5. Execute the shell script contained in the directory:
./runmig.sh

You will be asked if a master password or sub-library deviating from the standard should be used. Ask the customer about this if necessary. This information is required for:

- a. Log in to the administration module for execution of data extraction.
- b. Completion of the CSV file covering the copies/items to be migrated to Alma in cases where the item data record doesn't contain any sub-library data.

As a result of the execution, find the extracted data in a directory named **extracted**. A log can be found in file **extract.prt**.

Results / Files making the extract

File name	Contents/Purpose
adr.exp	User addresses
ben.exp	User
btr.exp	Budget transactions
bud.exp	Budget
csh.exp	Fines and payments (Circulation)
cur.exp	Currencies
hol.exp	Holdings (MARC21)
ivh.exp	Invoice headers
ivp.exp	Invoice lines
lnh.exp	Loan history
lok.exp	Holdings (MAB)
mex.exp	Copies/Items
ord.exp	Orders
prm.exp	User permissions
rat.exp	Currency ratios
tit.exp	Titles (BIB records)
vad.exp	Vendor addresses
vbu.exp	Loans
vdr.exp	Vendors
vor.exp	Requests/Reservations
taball.exp	Tables (Normalized data)
AlmaTIT.xml	BIB records in Alephino XML format
AlmaBIB.xml	BIB records in MARCXML format
AlmaMEX.csv	Items data in CSV format
AlmaITM.csv	Items data in CSV format with header

Note that files AlmaTIT.xml and AlmaMEX.csv are intermediate results of the extraction process that are not relevant for the migration to Alma.